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Inventory Management System

Data Collector Installation Manual

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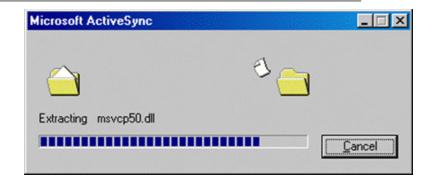
MC70 - Installation Instructions

Installation of ActiveSync Software



Note: Before proceeding, please ensure that the cradle for the handheld is connected to the computer, and that the handheld unit remains in the cradle throughout the following procedures.

From the Pocket PC Kit/Microsoft Synchronization Software folder on the SIMMS CD, double click on MSASYNCH.EXE file. The installation will extract files before proceeding with the installation.



Files will then be copied to the hard drive.

The Microsoft ActiveSync setup screen will open when the files

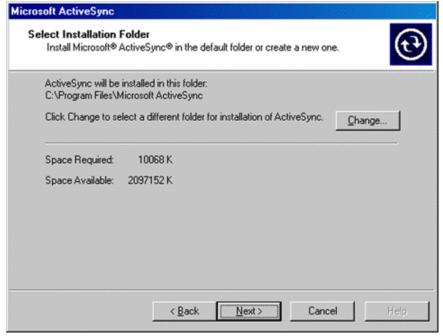
have finished copying.

To proceed, click Next.

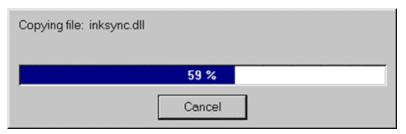


A Select Installation Folder screen will appear.

Click Next.



Files will be copied to the computer.



Once the copying files is completed, the **Get Connected** screen will open.

Click Next.



The program will check the existing COM port.

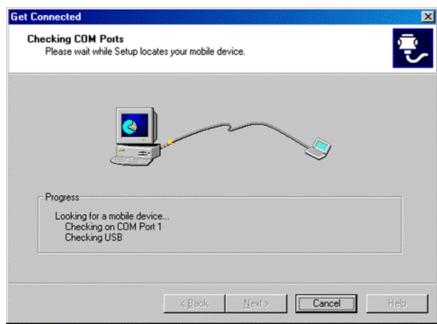
If all previous setup installations for the handheld unit have been successful, a connection will be established and the ActiveSync icon will appear on the startbar and show its actual connection in two ways:

The ActiveSync icon will change in color from gray to green, and the handheld unit will emit a series of tones.

The program may now ask if any partnerships are to be set with the handheld device.

Select the **Standard partnership** radio button to synchronize data between the device and the computer.

Select the **Guest Partnership** radio button to copy and move information between the device

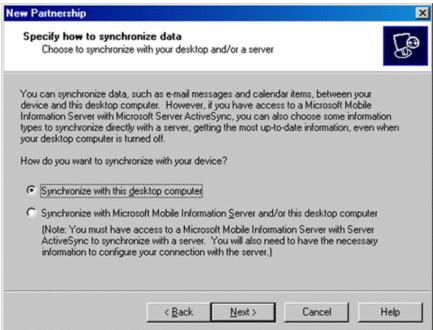


and computer, or add and remove programs, but NOT to synchronize data.



Select Synchronize with this desktop computer.

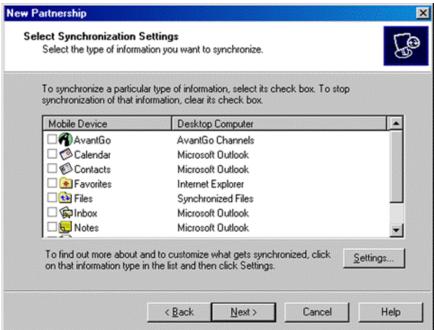
Click Next.



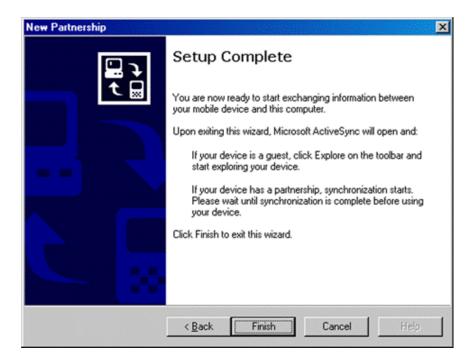
On the *Number of Partnerships* screen, select **Yes** and then click **Next**.



On the **Synchronization Settings** screen, *deselect all boxes*, and then click on **Next**.

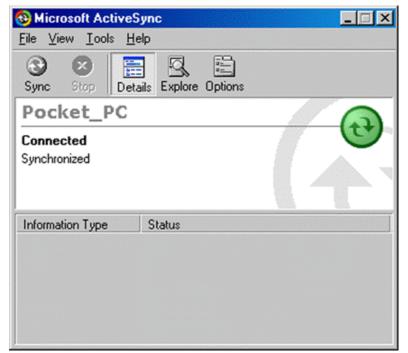


When the **Setup Complete** screen appears, click **Finish**.



On the next screen, the Microsoft ActiveSync program will confirm that the handheld unit is synchronized with the desktop computer.

Click the **X** to close the ActiveSync screen.



Installation of Embedded Visual Basic Runtime only for Pocket PC 2003



Note: Before proceeding, please ensure that the cradle for the handheld is connected to the computer, and that the handheld unit remains in the cradle throughout the following procedures. You should not download the eVB Runtime unless you have a Pocket PC 2003 device since it does not work on other versions of Pocket PC.

Download the embedded visual basic

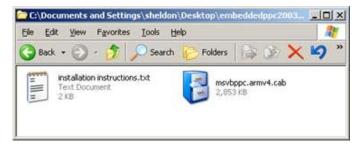
runtime from the following URL:

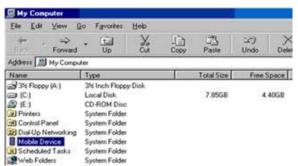
www.kcsi.ca/download_demokcsi/embeddedppc2003.zip, and uncompress the zipped archive to a
directory on your computer.

Double click on the My computer icon and proceed to the **Mobile Device** object.

Copy the msbbppc.armv4.cab file to the mobile device directory; just select OK to continue.

Once complete, proceed to the data collector, and click on start/programs/file explorer and click on the msbbppc.armv4.cab file to complete the embedded visual basic runtime installation









SIMMS Mobile Setup

Go to the Windows Mobile device and click Start>Settings>System>Add or Remove Programs then remove KCSI SIMMS Mobile.

Put data collector in the cradle.

Click the Explorer button in the Active Sync and click the My Windows Mobile-based Device button.

Then navigate to Program Files, and delete the whole SIMMS Mobile folder.

Copy the setupSimmsMobile.CAB file to the data collector.

Install by navigating to it on the data collector and clicking it. Follow the instructions on the device if prompted. NOTE: Use the /device location.

Go to SIMMS.

Launch the Modules/Data Collectors/Windows Mobile Synchronization.

Make sure data collector is in the cradle and click Connect.

Click Transfer Information to Device.

When done, go to the device and navigate to Program Files/SIMMS Mobile and click the SIMMS Mobile application.

Click Initialize. This copies all data from Sync to the SQL tables on the data collector (this process can take quite several minutes).

Once done, click Physical Count (if you receive an error message, re-click.)

Set your Options (click Menu>Enable and make sure there is a check mark on Mfg Lot and no check mark on Qty.

Set more Options (click Search By, then select UPC and Mfg Lot. This enables your apparel usage.

To use the Physical Count screen, select a Location, click in the Search field and scan, then go to the next item and scan again, etc., until your Physical Count is done (please do a sample test of this process before going live).

When done, 'X' out to close the screen, then at the Main Screen click Settings and prepare for the download.

Go to SIMMS.

Launch the Modules>Data Collectors>Windows Mobile Synchronization.

Make sure the data collector is in the cradle and click Connect.

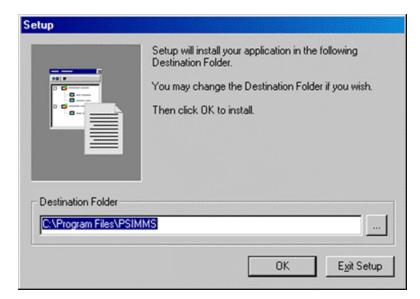
Click Transfer Information from Device.

Click on Import to SIMMS to move the physical counts into SIMMS.

Installation of the PSIMMS Software

To proceed with the installation of the **PSIMMS** software, first change to the **Pocket PC Kit/SIMMS Data Collector Program** folder on the **SIMMS** CD. Once there, double click on the **SETUP.EXE** file.

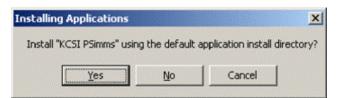
When the **Setup** screen appears showing the Destination Folder, click **OK** to install.



The Installing Applications screen will appear.

The **PSIMMS** software installation will continue.

Click Yes.



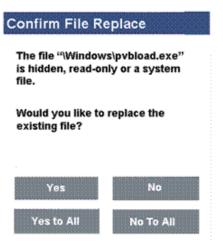


Next, the Application Downloading Complete screen will appear. Leave this screen as is for the moment, and proceed to the display screen of the handheld unit.



On the screen of the handheld unit, a **Confirm File Replace** screen may appear, asking if the **pvbbload.exe** file should be replaced.

Leave the handheld in its cradle and, using its stylus, tap the **Yes To All** button.

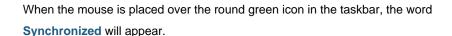


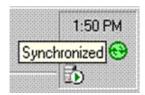


Once the handheld file replacement is complete, return to the desktop computer's **Application Downloading Complete** screen and

click OK.

To confirm that the system is operating properly, there is a visual aid to on both the desktop and the handheld device.





The **PSIMMS** installation is now complete. Once the Pocket PC is synchronized with the desktop with to **SIMMS**, the **PSIMMS** software can be run for the first time.

The next step is to synchronize PSIMMS with SIMMS.

Pocket PC Synchronization

For ease of data collection, **SIMMS** supports the use of the Pocket PC, which not only allows entering inventory transactions and information, but also facilitates entering with its ability to scan barcodes present on items or cases of stock.

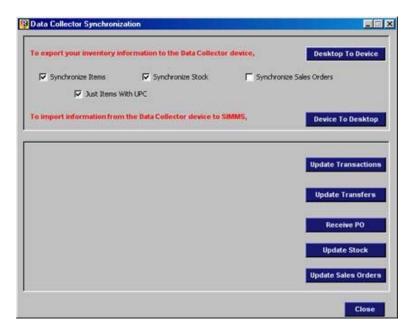
Once the **PSIMMS** program is installed on the Pocket PC, *make certain that the Pocket PC is in its cradle* and attached to the desktop computer.

To synchronize the **PSIMMS** inventory data on the Pocket PC with the **SIMMS** inventory data in the desktop for the very first time, from the **SIMMS** main screen click the **Modules** dropdown menu then select **Data Collectors/ Pocket PC Synchronization**.

When the **Pocket PC Synchronization** screen opens, check both the *Update Items* and the *Update Stock* buttons and then click the **Desktop to Device** button and the transfer will commence.

Note: Unless you plan on editing sales orders on your data collector uncheck the **Synchronize Sales Orders** selection prior to synchronization as this feature slows down the synchronization process and data collector due to the amount of data required.

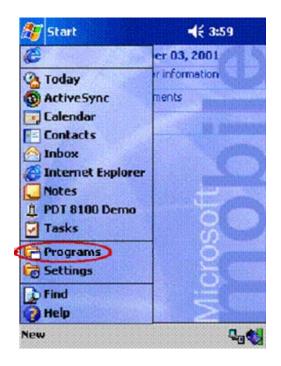
If you only wish to utilize items with a UPC code in your data collector you may also wish to make sure there is a check mark in the **Just Items with UPC selection**, this will speed up the synchronization process and data collector due to the fact that less data is required.

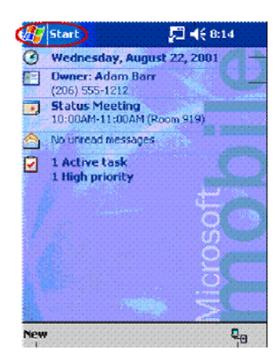


Once this is complete, proceed to the **PSIMMS** program on the data collector.

Using the PSIMMS Program

To use the **PSIMMS** program on the handheld unit, begin at the main screen of the **Pocket PC**. Next, tap the **Start** button with the stylus.

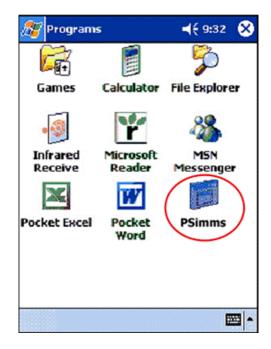




Next, tap the stylus on the **Programs** group.

The contents of the Programs group available on the handheld will now appear.

Locate the **PSIMMS** icon, and tap on it with the stylus.



The main **PSIMMS** screen has nine options, which are:

Delete Previous Operations on the Data Collector,

Access the New Receipt screen,

Access the New Issue screen,

Access the Transfer screen,

Access the Receipt Purchase Order screen,

Access the Stock screen,

Access the Sales Orders screen,

Access the Search screen.

Access the Options screen

To choose an option, simply tap the screen with the stylus.





Warning:

Once a session of **PSIMMS** has begun on the handheld device, please be aware that there is a limit to one of two particular types of activities:

Any number of receipts and/or issues and/or sales order transactions, or,

Any number of transfers and/or stock transactions.

One session can contain only one of the above types. To conduct transactions of the opposite type on the handheld, transfer all data from the handheld to the desktop, then reinitialize the handheld unit before proceeding.



Warning:

To use the UPC scanning capabilities of handheld devices with SIMMS/PSIMMS programs, all item UPC numbers must be entered/scanned into the desktop's copy of the SIMMS database before the handheld's version of PSIMMS will be able to recognize the numbers. Once all UPC codes have been entered into the SIMMS database, the handheld will recognize the UPC numbers. To use the scanning feature of the handheld, simply place the cursor in the UPC field on any PSIMMS screen, and scan the barcode of the item.

Options Screen

From the **Options** screen, you can determine if some important functionality should be turned on or off

If you wish to turn on UPC Indexing then click the Use UPC Index selection box to affix a check mark

If you wish to utilize serial numbers then click the **Use Serial**numbers selection box to affix a check mark

If you wish to Prevent duplicate serial numbers from being scanned in per transaction then click the **Prevent duplicate S/N per transaction** selection box to affix a check mark

If you wish to make the assigning of Serial numbers to serialized items Mandatory then click the **Serial Number is Mandatory** selection box to affix a check mark

Click the Save Options button to save the changes.

Transfer Screen

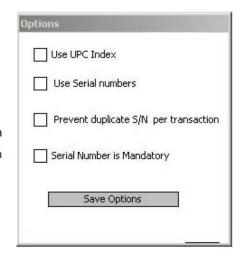
From the **Transfer** screen, stock can be transferred from one location to another.

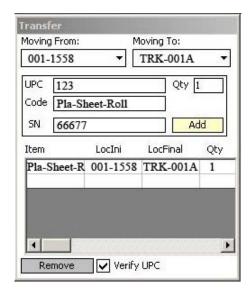
Choose the From Location Code (location goods are being transferred from), and then choose the To Location Code (location to which inventory will be transferred). Next, scan/enter the item's UPC code and adjust the quantity of items if necessary, finally you can scan in the Serial number if applicable. Once selections have been made, click the Add button to complete the transfer, and repeat if necessary.

Search for Sales Orders Screen

From the **Search for Sales Orders** screen, You can find a sales order you wish to open one of three ways:

- By Customer Number by selecting the Customer Number drop down box selecting a customer number then clicking on Search button to the left of the applicable drop down field
- By Customer Name by selecting the Customer Name drop down box selecting a customer name then clicking on Search button to the left of the applicable drop down field
- 3) By Sales Order Number by selecting the Sales Order Number







drop down box selecting a Sales Order number then clicking on **Search button** to the left of the applicable drop down field

Sales Order Screen

From the Sales Order screen, you can adjust existing Sales orders.

You can add items to the sales order by clicking the add button, selecting a location, then scanning in the UPC code for the item you wish to add, then you can override the Qty and price and click save.

You can **delete items from the sales order** by clicking the **delete** button, selecting a **location**, then scanning in the **UPC code** for the item you wish to delete, and click **save**.



New Receipt Screen

From the **New Receipts** screen stock can be added to inventory. First choose **Vendor**, **Location**, and then enter/scan in the item's **UPC number**. The quantity of the item can be adjusted, and finally you can scan in the **Serial number if applicable**. Once any adjustments have been made, simply click the **Add** button to complete the transaction, and repeat if necessary.

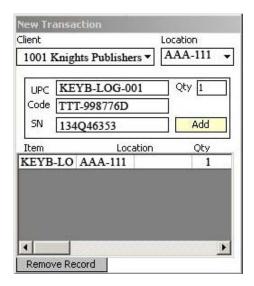


Issue Screen

From the **Issue** screen, stock can be issued from the inventory. Choose the **Customer**, **Location**, and then enter/scan in the item's **UPC number**. The quantity of the item can be adjusted, and finally you can scan in the **Serial number if applicable**. Once any adjustments have been made, simply click the **Add** button to complete the transaction, and repeat if necessary.

NEW:

SIMMS has added the document number field to the Issue screen.



Receipt Purchase Order Screen

From the **Receipt Purchase Order** screen, stock can be received from an existing Purchase Order.

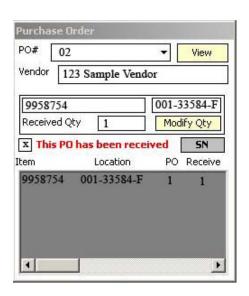
First, choose the Purchase Order Number. The Vendor, Item number, and Location will auto-populate. Adjust the quantity of the item(s) as required, and then click the Modify Qty button. Once complete, click the This PO has been received checkbox.

Note: If you have the option on making serial numbers mandatory on the data collector you will not be able to receive the PO until you have assigned serial numbers to all items that require them, to do this click the line item that requires serial numbers and then click the SN button to proceed to the PO Serial Number screen mentioned below.

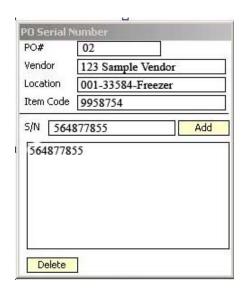
Purchase Order Serial Number Screen

From the **Purchase Order Serial Number** screen you can assign serial numbers to the items as required.

In the S/N field scan in the required serial number then click the Add button to insert the serial number, repeat until you have entered the same number of serial numbers as line item qty received, once complete click the X on the top left to return to the Receive PO screen in order to complete your receipt or select another line item to assign serial numbers to.



On the *Receipt Purchase Order* screen, it is now possible to receive partial purchase orders in PSIMMS.



Search Inventory Screen

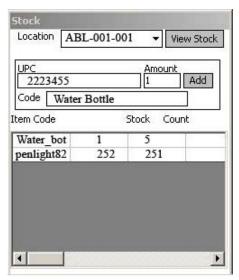
From the **Search Inventory** screen, searches can be carried out for particular stock items by entering/scanning either the item's UPC number or its Code number, then click on the **Find** button to display the Location and **On Hand** information for that item on the screen.



Stock Screen

From the **Stock** screen, stock can be viewed in any location and changes made as required. Choose the **Location** first, the click the **View Stock** button to see all the Items in that location.

To add stock or to adjust quantities, simply tap that item in the description list, and then change the amount as required, then click the Add button. Repeat if necessary.



Updating Inventory from Device to Desktop

Once all transactions are complete on the handheld device, place the device in its cradle. The Microsoft ActiveSync program will reestablish the connection between the device and the desktop computer. Once the connection is established, the transactions and changes can now be transferred from the handheld to the desktop database.

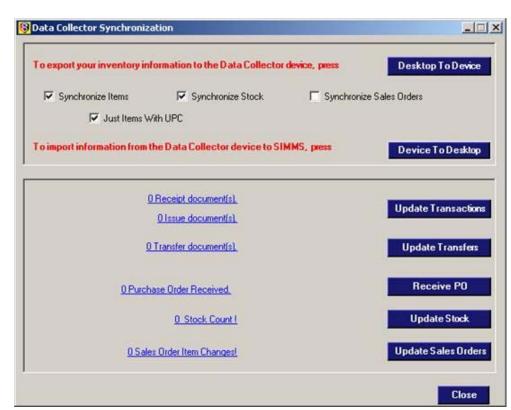
Open SIMMS on the desktop. Select the Modules dropdown menu, then Data Collectors and then Pocket PC Synchronization.

After ensuring that the Synchronize Items and Synchronize Stock checkboxes are selected, click the Device to Desktop button.

Note: if you are editing Sales orders on the data collector then make sure the and Synchronize Sales Orders checkbox is selected as well.

NEW:

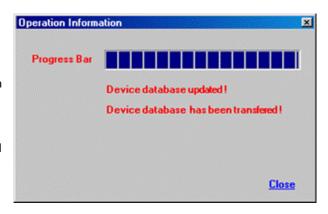
SIMMS has added a field to the SIMMS
Data Collector Sync
Grid for serial
numbers, so now
users can see the
serial numbers
assigned to the
transaction prior to
verifying the
synchronization.



An **Operation Information** screen shows the progress of the data transfer, and advises when completed.

Once the information is received from the device, the transaction links (Receipts, Issues, Purchase Order Received, Stock Count, Sales Order Item Changes or Transfers) will appear to the left of the **Update** buttons. Clicking on the links will display the detailed contents of each type of transaction.

Click the **Update Transactions** button and/or the **Update Transfer** button and/or the **Receive PO** button and/or the **Update Stock** button and/or the **Update Sales Orders** button
(each as required) to complete updating the database on the desktop computer.



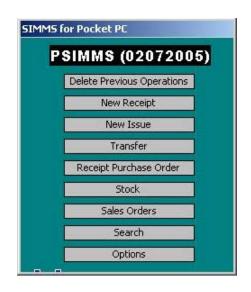
Windows Mobile Options

With Windows Mobile, you can set the stock count to zero for all items for a selected location prior to doing a physical count. You can also set the stock count to zero for a selected item. If you have SIMMS Windows Mobile (not POCKET PC) you should upgrade to the new version by doing the following, never forgetting to make sure all data to be synchronized from the data collector is already sync'd to SIMMS prior to upgrading SIMMS or moving forward with any Windows Mobile upgrade.

Initializing a New Session for the Handheld Device

Once a previous session of transactions on the handheld device has been transferred successfully to the desktop, the handheld device must be reinitialized (cleared) for its next session.

To do this, access the **PSIMMS** main screen on the handheld device and then choose **Delete Previous Operations**.



Prior to using the data collector the next time, update the information in the handheld.

On the desktop version of SIMMS, select

Data Collectors and then Pocket PC

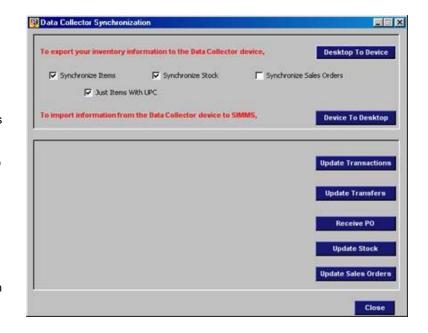
Synchronization to open the Pocket PC

Synchronization screen

Click the **Desktop to Device** button. Once this phase is complete, the handheld device is ready to be removed from its cradle and used for a portable session.

Note: Unless you plan on editing sales orders on your data collector uncheck the
Synchronize Sales Orders selection prior to
synchronization as this feature slows down
the synchronization process and data
collector due to the amount of data required.

If you only wish to utilize items with a UPC code in your data collector you may also wish to make sure there is a check mark in the **Just Items with UPC selection**, this will speed up the synchronization process and data collector due to the fact that less data is required.



Blue Tooth and Network Printer Setup

Blue Tooth Printer installation instructions:

On the device - install the BTEXPLORER program from Zebra.

Create a new connection to the printer by:

Launching the BTEXPLORER program that you installed on the device.

Proceed to the Tools menu and select Tools>Settings> Virtual Com Port and set COM4 as Blue Tooth.

IMPORTANT: Do not connect to this port, but leave it disconnected as the program does the connection as required.

On the device start SIMMS Mobile.

Select Items.

Select Print from the menu.

Select Options.

Please make sure to select the appropriate row you wish you selections to be in Also for upc select field as barcode and select

a barcode type.
Under the menu option you can select to Save as Template if this is the format you wish to use all the time. To select the template, just choose Menu>Load Template.
Click Next.
Select the printer (Zebra RW, QL).
Select the COM port you configured.
Select Monochrome.
Select Custom Paper Size.
Enter 6cm x 11 cm.
Click Start Printing.
IP Printer:
Plug the printer into the computer's serial port.
Load the Label Vista on a computer connected to the printer via serial.
Launch the Label Vista program on the computer.
Click Printer>Network Setup (Network Setup with Encryption if you have an encrypted network), complete the setup, and click test if successful. Write down the assigned IP and note the port used as you will need it on the data collector.
On the device, start SIMMS Mobile.
Select Items.
Select Print from the menu.
Select Options.
Please make sure to select the appropriate row your wish you selections to be in. In addition, for UPC, select Field as barcode and select a barcode type.
Under the Menu option, you can select to Save as Template if this is the format you wish to use all the time. To select the template, just choose Menu and Load Template.
Click Next.

In the printer selection area, select the network printer.

Click More Settings in the printer selection area and make sure Scroll is selected.

Select Monochrome.

Select Custom Paper Size.

Enter 6cm x 11 cm.

Click Start Printing.

Troubleshooting the Data Collectors

It may be possible that several other issues could arise to prevent the optimum (or correct) usage of handheld data collectors. They are listed below:

1. Microsoft Jet database engine is not installed on the system.

Since its introduction in 1992, the Microsoft Jet database engine has not been a stand-alone product — it cannot be purchased at a local software retailer. Most users, however, have learned about it, in a secondhand way, from applications such as Microsoft Access, Microsoft Office, Microsoft Visual Basic, Microsoft Visual C++, or Microsoft Visual J++.

Should a system have none of these applications installed, the Microsoft JET engine will have to be installed in order to run the SIMMS software on a handheld data collector.

To install JET on a desktop computer:

If SIMMS is currently running close it completely. Click My Computer and access the contents of the SIMMS CD.

Proceed to viewing the contents of the Pocket PC KIT\Jet 4.0 folder.

Run the Jet40Sp3_Comp.exe file.

Once installation of Microsoft JET is complete, open SIMMS and initialize and use the handheld data collectors.

2. The data collector experienced a Hard Boot/power interruption.

Should the data collector have experienced a hard boot or some semblance of power interruption and not reinitialized properly with SIMMS, check two specific things:

On the handheld device, click the Startup folder within the Programs\File Explorer\My Device\Windows folder to confirm that a file called ScanWedge.exe (for the PPT 2800) or ScanWedge1.exe (for the PDT 8100) exists there.

If the appropriate file exists in the Startup folder, then proceed to Section b below.

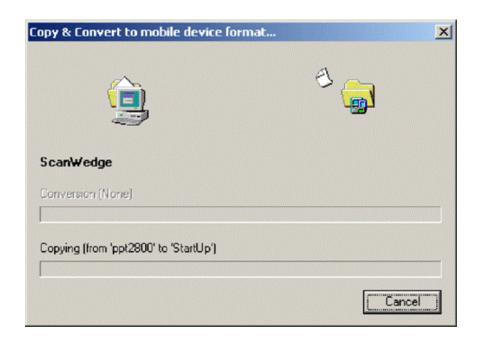
If the appropriate file in not in the Startup folder, then proceed with the following steps to install it:

Access the SIMMS CD by clicking on the My Computer icon on the desktop. Display the contents of the Pocket PC Kit/Wedge subfolder on the CD then the subfolder inside it which corresponds to the model of the data collector (ppt2800, sps3000 or pdt8100). Right-click on the ScanWedge executable and click Copy.

With the data collector in its cradle, double-click the ActiveSync icon (the round green one) on the desktop computer's taskbar.

On the ActiveSync main screen, click the Explore icon to display the contents of the root folders of the data collector. Now click on the My Pocket PC (or My Device) icon showing there, and then click through to the Windows\Startup folder and paste the file there.

A screen like the following will appear:



Once this is complete, proceed to **Section 2b** below to.

Test the data collector's scanning ability

If the data collector is not emitting the red beam which enables it to scan barcodes, proceed to the Programs\File Explorer\My Device\Windows\Startup folder on the data collector.

Click on the version of the ScanWedge executable file that is there. On the lower-left side of the data collector screen, a menu screen will appear.

Once there, click on Scanner and then on Enable.

Press one of the triggers on the data collector to confirm that the collector now emits the beam required to scan.

The data collector is now prepared for use with **SIMMS** software.

here is an access problem with the SIMMS.MDB file.

Open Windows Explorer and locate the SIMMS. MDB file. Right click on the file, choose Properties, and deselect the file's read-only status, then click the Apply button. The file should allow access from this point forward.

MC70 – Installation Instructions

For the Symbol MC70 data collector, please use the following steps for installation:

- 1. Install Active Sync 4.1 on your computer.
- 2. Synchronize the Windows Mobile Device with the computer.
- 3. Be certain that the device is using the Windows Mobile 2005 platform.
- 4. Synchronize the device with the computer and install "dotNET Compact Framework v2 Redistributable" on your computer. As soon as this is done an installation will begin on the device. On the MC70, select the device location and click Install.
- 5. Copy using Active Sync and install on the device the sqlce30.wce5.armv4i.CAB, using the "on device" option.
- 6. Copy using Active Sync and install on the device the setupSimmsMobile.CAB, using the "on device" option.
- 7. Log into SIMMS and proceed to Modules menu>Data Collectors>Windows Mobile Synchronization.
- 8. Connect and synchronize to the device Click Connect, then click the button labeled "Transfer Information to Device".
- 9. Use SIMMS Mobile by accessing Device\Program Files\Simms Mobile and clicking the SIMMS Mobile executable.
- 10. On the device, click the Initialize button to bring all the transferred data from SIMMS into the Windows Mobile SQL tables. Wait until the information is imported.
- 11. Use SIMMS Mobile.
- 12. When you want to synchronize back to the computer, proceed to the device and go to the Settings menu and choose "Prepare for download". Then login to SIMMS and from the Modules menu>Data Collectors>Windows Mobile Synchronization screen select "Transfer Information to Computer".
- 13. Once you have confirmed the information, click "Import into SIMMS" to finalize the import.

Important SIMMS Software Contact Information



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